

**EXOATLET**  
It All Begins with The First Step



Clinical research  
programmes 2021

# 2021: European researches — Luxembourg

## Adaptability of robotic devices using BCI signals

Current status: Applied for funding

Nosology: various diseases

Model: ExoAtlet I, ExoAtlet II

Funding: FNR, Ministry of Economy grants, ExoAtlet and LIST co-funding

LUXEMBOURG  
INSTITUTE OF SCIENCE  
AND TECHNOLOGY



18 months research programme.

# 2021: European clinical researches – Turkey

The effect of Stationary and wearable gait robot systems on paraplegic patients

Current status: Ongoing

Nosology: SCI

Model: ExoAtlet I

Funding: Romatem



**Nurten Küçükçakir**

Physical Medicine Specialist

# 2021: European clinical researches — Berlin

## Exoskeleton-Assisted Gait Training + FES of people with Multiple Sclerosis

Current status: Terms and conditions negotiations  
Model: ExoAtlet II + FES  
Funding: Vivantes

The logo for Vivantes, featuring a red curved line above the word "Vivantes" in a bold, black, sans-serif font.

**Vivantes**



Anatol Kivi

# 2021: European clinical researches — Italy

## Exoskeleton-Assisted Gait Training of people with Multiple Sclerosis

Current status: Agreement signed  
Model: ExoAtlet I

Three years Research programme.

[ **LU:NEX** ]

INTERNATIONAL UNIVERSITY  
OF HEALTH, EXERCISE & SPORTS



UNIVERSITÀ DEGLI STUDI  
DI MILANO



**Alessandro M. De Nunzio**  
Prof. Dr.



**Roberto Meroni**  
Prof. Dr.

# 2021: European clinical researches — Portugal

## Brain-Machine Interfaces in rodents and humans

Current status: Ongoing.  
Nosology: Stroke & SCI.  
Model: ExoAtlet II.  
Funding: Grant program

## Miguel Santos Pais Vieira

Scientific director/Neuroscience, Assistant Professor.

## Indefinite Research programme



UNIVERSIDADE  
CATOLICA  
PORTUGUESA

# 2021: European clinical researches

## Amsterdam

### FES rehabilitation effectiveness research

Current status: Planning.  
Nosology: Stroke & SCI.  
Model: ExoAtlet II + FES.  
Funding: Grant program.

One year Research programme.



**Shapkova E.U.**  
PhD.



**Thomas Janssen**  
Prof. Dr.



# 2021: European clinical researches — Munich

## Exoskeleton-Assisted Gait Training of people with Stroke and SCI

Current status: Terms and conditions negotiations

Nosology: Stroke and SCI

Model: ExoAtlet II

Funding: Grant program

Johann Szecsi

PD Dr. med.



# 2021: EU and US FES study

Multicentral clinical trials of ExoAtlet  
exoskeleton with FES for efficiency and safety

Current status: Terms and conditions negotiations.

Nosology: SCI.

Model: ExoAtlet II with FES.



